

Applicant(s)	Fleischman et. al.	<b>COMMUNICATION REGARDING CERTIFICATE OF CORRECTION</b>
Patent No.	7,080,668	
Issue Date	Jul. 25, 2006	
Serial No.	10/807,653	
Attorney Docket No.	400.022US01	
Title: ADAPTER FOR DISPENSING LIQUID INTO A CONTAINER		

ATTN: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicant hereby requests issuance of a Certificate of Correction in U.S. Letters Patent No. 7,080,668 as specified on the attached Certificate (Form PTO/SB/44). Please find enclosed documentation supporting errors identified in the above noted patent. Exhibit A is the listing of the claims from the response to the office action filed on December 27, 2005. Exhibit B is the claims as printed in the issued patent.


With respect to the errors in issued claim 26 of the issued patent, Applicant believes this constitutes a typographical error made by the Office and, as such, correction does not introduce any new matter. As seen Exhibit A, the Office has changed "the" to "die" in claim 26 (originally claim 27). This is a typographical error by the Office and needs to be corrected.

With respect to the errors in issued claims 19 and 27, Applicant believes this constitutes a typographical error made by the applicant. Again referring to Exhibit A, it is clear that the term "is" was inadvertently left in the claim when issued claim 27 (originally claim 28) was amended to include the term "maintaining." Similarly, it is clear that the term "where in" should have been "wherein" in issued claim 19 (originally claim 20). The correction of these typographical errors only fixes grammatical errors and do not introduce any new matter.

Applicant believes these corrections are partly necessary due to the applicant. The certificate of correction fee specified in 37 C.F.R. § 1.20(a) is being charged to a credit card with the on-line filing of this petition. Please charge any additional fees or credit overpayment to Deposit Account No. 502432. Please contact the undersigned attorney if you have any questions.

Date: November 30, 2006

Respectfully submitted,

  
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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,080,668  
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INVENTOR(S) : Fleischman, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Claim 19, Column 6, line 18 replace "where in" with "wherein"  
At Claim 26, Column 6, line 60 replace "die" with "the"  
At Claim 27, Column 6, line 63 delete "is"

**MAILING ADDRESS OF SENDER(Please do not use customer number below):**

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application for to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of claims:**

1. (Currently amended) An adaptor for dispensing a liquid into a container, the adaptor comprising:
  - a sleeve having an outer surface and an inner surface;
  - an opening passing through the outer surface and inner surface of the sleeve;
  - a pipe having a first and a second end, the first end attached to the opening;
  - a divider plate disposed in the pipe and passing between the first end and the second end of the pipe; and
  - a sealing lid removably disposed over the second end of the pipe.
- Claim 2 (Canceled).
3. (Currently amended) The adapter of claim 1, wherein the divider plate is attached along the length of the pipe to create a top and a bottom chamber in the pipe.
4. (Original) The adapter of claim 3, wherein the top and bottom chambers of the pipe are substantially similar in size.
5. (Original) The adapter of claim 1, wherein the inner surface of the sleeve forms a channel with a cross sectional area that is substantially the same as an opening in the container.
6. (Original) The adapter of claim 5, wherein the cross sectional area of the channel is substantially circular in shape.

7. (Original) The adapter of claim 1, wherein the sleeve comprises one of stainless steel and aluminum.
8. (Original) The adapter of claim 1, wherein the sleeve is cylindrical in shape.
9. (Original) The adapter of claim 1, wherein the sleeve is adapted to make a seal with a dewar flask.
10. (Original) The adapter of claim 5, where in the channel is adapted to receive a dewar head assembly.
11. (Original) A system for dispensing a liquid comprising:  
a container;  
an adapter for dispensing liquid into the container, the adapter comprising:  
a sleeve having an outer surface and an inner surface;  
an opening passing through the outer surface and the inner surface of the sleeve;  
a pipe having a first end and a second end, the first end attached to the opening and the second end adapted to receive liquid into the container;  
a sealing lid removably disposed over the second end of the pipe; and  
an assembly for dispensing liquid from the container; and  
wherein the adapter is in fluid communication with the container and the assembly.
12. (Original) The system of claim 11, wherein the container is a dewar flask.
13. (Original) The system of claim 11, wherein the adapter further comprising a divider plate disposed in the pipe and passing between the first end and the second end of the pipe.

securing the assembly to adapter;

pouring the liquid into the container through the pipe of the adapter.

23. (Original) The method of claim 22, wherein securing the adapter to the container comprises forming an airtight seal between the adapter and the container.

24. (Original) The method of claim 22, wherein securing the assembly to the adapter comprises forming an airtight seal between the assembly and the adapter.

25. (Currently amended) The method of claim 22, ~~wherein the~~ and further comprising removing a sealing lid is removed prior to pouring of the liquid into the container.

26. (Original) The method of claim 22, wherein air is vented from the container via a top chamber in the pipe of the adapter while pouring the liquid into the container through a bottom chamber of the pipe.

27. (Original) A method for dispensing liquid from a container, the method comprising:  
securing an adapter to the container, the adapter having a sleeve with an outer surface and an inner surface defining a channel and a pipe in fluid communication with the channel;  
inserting a pipe of an assembly into the channel of the adapter and the container;  
securing the assembly to adapter;  
pouring a liquid into the container through the pipe of the adapter;  
dispensing the liquid through the assembly; and  
pouring additional liquid into the container through the pipe of the adapter without removing the assembly.

28. (Currently amended) The method of claim 27, ~~wherein the~~ and further comprising maintaining a sealing lid is in place while dispensing the liquid through the assembly.

14. (Original) The system of claim 13, wherein the divider plate is attached along the length of the pipe to create a top and a bottom chamber in the pipe.
15. (Original) The system of claim 14, wherein the top and bottom chambers of the pipe are substantially similar in size.
16. (Original) The system of claim 11, wherein the assembly is connected to an electrical interface and an output interface.
17. (Original) The system of claim 11, wherein the sleeve comprises one of stainless steel and aluminum.
18. (Original) The system of claim 11, wherein the sleeve is adapted to make a seal with a dewar flask.
19. (Original) The system of claim 11, wherein the inner surface of the sleeve forms an opening that is adapted to receive a dewar head assembly.
20. (Original) The system of claim 19, where in the sleeve has a second opening, opposite the first opening that is substantially the same size as the first opening of the container.
21. (Original) The system of claim 11, wherein a first end of the adapter is sealed to a dewar flask and a second end of the adapter is sealed to a dewar head assembly.
22. (Original) A method for dispensing a liquid into a container, the method comprising:  
securing an adapter to the container, the adapter having a sleeve with an outer surface and an inner surface defining a channel and a pipe in fluid communication with the channel;  
inserting a pipe of an assembly into the channel of the adapter and the container;

## CONCLUSION

Embodiments of the present invention have been described. The embodiments provide an adaptor for dispensing liquid into a container. The embodiments drastically limit environmental contamination of the liquid in the container. In addition, using the embodiments eliminates safety and health/disability issues related to dispensing a liquid e.g., liquid nitrogen into a container, e.g., a dewar flask. Using an embodiment of the adapter is a faster process which results in a considerable amount of time saving as a result.

Although specific embodiments have been illustrated and described in this specification, it will be appreciated by those of ordinary skill in the art that any arrangement that is calculated to achieve the same purpose may be substituted for the specific embodiment shown. This application is intended to cover any adaptations or variations of the present invention.

What is claimed is:

1. An adaptor for dispensing a liquid into a container, the adaptor comprising:

a sleeve having an outer surface and an inner surface;  
an opening passing through the outer surface and inner surface of the sleeve;

a pipe having a first and a second end, the first end attached to the opening;

a divider plate disposed in the pipe and passing between the first end and the second end of the pipe; and  
a sealing lid removably disposed over the second end of the pipe.

2. The adapter of claim 1, wherein the divider plate is attached along the length of the pipe to create a top and a bottom chamber in the pipe.

3. The adapter of claim 2, wherein the top and bottom chambers of the pipe are substantially similar in size.

4. The adapter of claim 1, wherein the inner surface of the sleeve forms a channel with a cross sectional area that is substantially the same as an opening in the container.

5. The adapter of claim 4, wherein the cross sectional area of the channel is substantially circular in shape.

6. The adapter of claim 1, wherein the sleeve comprises one of stainless steel and aluminum.

7. The adapter of claim 1, wherein the sleeve is cylindrical in shape.

8. The adapter of claim 1, wherein the sleeve is adapted to make a seal with a dewar flask.

9. The adapter of claim 4, where in the channel is adapted to receive a dewar head assembly.

10. A system for dispensing a liquid comprising:  
a container;

an adapter for dispensing liquid into the container, the adapter comprising:

a sleeve having an outer surface and an inner surface;  
an opening passing through the outer surface and the inner surface of the sleeve;

a pipe having a first end and a second end, the first end attached to the opening and the second end adapted to receive liquid into the container;

a sealing lid removably disposed over the second end of the pipe; and

an assembly for dispensing liquid from the container; and wherein the adapter is in fluid communication with the container and the assembly.

11. The system of claim 10, wherein the container is a dewar flask.

12. The system of claim 10, wherein the adapter further comprising a divider plate disposed in the pipe and passing between the first end and the second end of the pipe.

13. The system of claim 12, wherein the divider plate is attached along the length of the pipe to create a top and a bottom chamber in the pipe.

14. The system of claim 13, wherein the top and bottom chambers of the pipe are substantially similar in size.

15. The system of claim 10, wherein the assembly is connected to an electrical interface and an output interface.

16. The system of claim 10, wherein the sleeve comprises one of stainless steel and aluminum.

17. The system of claim 10, wherein the sleeve is adapted to make a seal with a dewar flask.

18. The system of claim 10, wherein the inner surface of the sleeve forms an opening that is adapted to receive a dewar head assembly.

19. The system of claim 18, where in the sleeve has a second opening, opposite the first opening that is substantially the same size as the first opening of the container.

20. The system of claim 10, wherein a first end of the adapter is sealed to a dewar flask and a second end of the adapter is sealed to a dewar head assembly.

21. A method for dispensing a liquid into a container, the method comprising:

securing an adapter to the container, the adapter having a sleeve with an outer surface and an inner surface defining a channel and a pipe in fluid communication with the channel;

inserting a pipe of an assembly into the channel of the adapter and the container;  
securing the assembly to adapter;  
pouring the liquid into the container through the pipe of the adapter.

22. The method of claim 21, wherein securing the adapter to the container comprises forming an airtight seal between the adapter and the container.

23. The method of claim 21, wherein securing the assembly to the adapter comprises forming an airtight seal between the assembly and the adapter.

24. The method of claim 21, and further comprising removing a sealing lid prior to pouring of the liquid into the container.

25. The method of claim 21, wherein air is vented from the container via a top chamber in the pipe of the adapter while pouring the liquid into the container through a bottom chamber of the pipe.

26. A method for dispensing liquid from a container, the method comprising:

securing an adapter to the container, the adapter having a sleeve with an outer surface and an inner surface defining a channel and a pipe in fluid communication with to channel;

inserting a pipe of an assembly into the channel of the adapter and the container;  
securing the assembly to adapter;  
pouring a liquid into the container through the pipe of the adapter;

dispensing the liquid through the assembly; and  
pouring additional liquid into the container through die pipe of the adapter without removing the assembly.

27. The method of claim 26, and further comprising maintaining a sealing lid is in place while dispensing the liquid through the assembly.